| •  | ' Index of Claims |          |                  |                  |         |           |           |                 |              |                            |                |          |                     | Application/Control No. |             |           |         |             |                 |            |                                       |            |                   | Applicant(s)/Patent under Reexamination |           |              |              |          |          |           |   |
|----|-------------------|----------|------------------|------------------|---------|-----------|-----------|-----------------|--------------|----------------------------|----------------|----------|---------------------|-------------------------|-------------|-----------|---------|-------------|-----------------|------------|---------------------------------------|------------|-------------------|---|-----------|--------------|--------------|----------|----------|-----------|---|
| •• |                   |          | mada di dialilis |                  |         |           |           |                 |              |                            |                |          |                     |                         | /<br>Exa    | O<br>ami  | hei     | 6           | [9              |            | 605                                   |            |                   |   | Art Unit  |              |              |          |          |           |   |
|    |                   |          |                  |                  |         |           |           |                 |              | 1 1841                     |                |          |                     |                         |             | ,         |         |             |                 |            | · · · · · · · · · · · · · · · · · · · |            |                   | <del> </del>                            |           |              |              |          | 1_       |           |   |
|    |                   |          | 1                | Rejected Allowed |         |           |           |                 |              | (Through nume<br>Cancelled |                |          |                     | era                     | al)         | N         | N       | Non-Elected |                 |            | A                                     | Appea      |                   |   | al        |              |              |          | :        |           |   |
|    |                   |          | =                |                  |         |           |           |                 | ÷            |                            | Restricted     |          |                     |                         |             |           | ı       | Ir          | Interfe         |            | nce                                   |            | 0                 | Objected                                |           |              |              |          |          |           |   |
|    | Cla               | aim      | Date             |                  |         |           | <br>P:    |                 |              | 7                          | Cla            | Claim    |                     |                         |             |           | ite     | _           |                 | $\neg$     | Cl                                    | aim        | Г                 | Date                                    |           |              |              |          |          | 7         |   |
|    |                   |          |                  |                  |         |           | Ĭ         | Т               |              | ٦.                         |                |          |                     |                         | $\top$      | T         | Ť       |             | $\top$          |            |                                       | I          | П                 | T                                       |           |              |              |          | Т        | 1         |   |
|    | Final             | Original |                  |                  |         |           | .         |                 |              |                            | Final          | Original |                     |                         |             |           |         |             |                 |            | Final                                 | Original   |                   |   |           |              |              |          |          |           |   |
|    |                   | (1)      |                  | $\Box$           |         |           |           | 1               | 1            | Ι.                         |                | 51       | $\Box$              | $\blacksquare$          |             | $\perp$   | 1       |             |                 |            |                                       | 101        |                   | 4                                       | 1         | _            | П            | 4        |          |           |   |
|    |                   | 3        |                  | +                | +       | +         | $\vdash$  | $\dashv$        | +            | +                          |                | 52<br>53 | $\dashv$            | +                       | +           | +         | +       | ╁           | $\vdash$        | -          | ╁                                     | 102<br>103 | ╁┤                | $\dashv$                                | +-        | ┢            | Н            |          | +        | -         |   |
|    |                   | 4        |                  |                  | $\top$  | $\dagger$ |           | $\exists$       | +            |                            |                | 54       |                     | $\top$                  |             | 1         |         |             |                 |            |                                       | 104        |                   |   |           |              |              |          |          |           | : |
|    |                   | 5        | $\Box$           |                  | $\bot$  | 1         | $\square$ | $\dashv$        |              | ] ;                        |                | 55       |                     | 4                       | $\perp$     | $\perp$   | _       | _           |                 | 4          |                                       | 105        |                   |   |           | ļ.,          | Ц            |          | _        | $\exists$ |   |
|    |                   | 6        | H                |                  |         | ╁┈        | H         |                 | +            | -                          | -              | 56<br>57 | -+                  | +                       | +           | +         | ╁       | ╁           | $\vdash$        | $\dashv$   | -                                     | 106<br>107 | $\vdash$          |   | +-        | -            | H            | _        | +        |           |   |
|    |                   | (8)      |                  |                  |         |           |           |                 |              |                            |                | 58       |                     |                         |             |           | 工       |             |                 |            |                                       | 108        |                   |   |           |              |              |          |          |           |   |
|    |                   |          | L                | _                | +       | ╄         | $\sqcup$  |                 | +            | _                          | <u> </u>       | 59       | 4                   | $\perp$                 | _           | $\perp$   | _       | ╄           | -               | 4          | <u> </u>                              | 109        | $\vdash$          | -                                       | +         | ┼            | -            |          |          | _         |   |
|    |                   | 11       | _                | +                | +       | +         | $\vdash$  | -+              | $\dashv$     | $\dashv$                   |                | 60<br>61 | $\dashv$            | $\dashv$                | +           | +         | +       |             | $\vdash$        | -          | $\vdash$                              | 110<br>111 |                   | +                                       | +         | +            | H            | $\dashv$ | +        | $\dashv$  |   |
|    |                   | 12       |                  |                  |         |           |           |                 |              |                            |                | 62       |                     | 士                       |             | $\top$    |         |             |                 | ╛          |                                       | 112        |                   |   |           |              |              |          |          |           |   |
|    |                   | 13       |                  |                  |         | _         |           | _               |              |                            |                | 63       | -                   | 4                       | $\perp$     | 4         |         | $\vdash$    |                 | 4.         |                                       | 113        | 1                 | _ -                                     | _ _       | ╁-           |              | _        | _        | _         |   |
|    |                   | 14<br>15 | -                | ├-               | +-      | +         | H         |                 | -            | $\dashv$                   | }              | 64<br>65 | -                   | +                       | +           | +         | +       | +           | $\vdash$        | -          |                                       | 114<br>115 | $\vdash$          | $\dashv$                                | +         | ╀            | -            | -        | -+       | -         |   |
|    |                   | 16       |                  | _                | $\top$  | +-        |           |                 |              | ╛.                         |                | 66       | $\neg \dagger$      | $\top$                  | $\neg$      | $\top$    |         |             |                 |            |                                       | 116        | $\Box$            | $\perp$                                 | $\dagger$ |              |              |          | $\top$   |           |   |
|    |                   | 17       |                  |                  |         |           | Ш         |                 |              |                            |                | 67       |                     |                         |             |           |         |             | П               |            |                                       | 117        |                   | $\Box$                                  |           | lacksquare   |              |          |          | $\exists$ |   |
|    | <u> </u>          | 18<br>19 | _                | $\vdash$         | +       | +         | $\vdash$  | $\dashv$        | +            | $\dashv$                   | -              | 68<br>69 | $\vdash$            | +                       | -           | +         | +       | +           | $\vdash$        | $\dashv$ : | -                                     | 118<br>119 | $\vdash$          | +                                       | +         | +            | $\vdash$     | $\vdash$ | $\dashv$ | -         |   |
|    |                   | 20       |                  | $\vdash$         | +       | +         | H         | $\dashv$        | +            | $\dashv$                   |                | 70       | $\vdash$            | +                       | <b>-</b>  - | $\dagger$ | +       | +           | $\vdash$        | 1          |                                       | 120        | $\vdash$          | 十                                       | ╁         | 1-           | $\vdash$     |          | $\dashv$ | -         |   |
|    |                   | 21       |                  |                  |         |           |           |                 |              |                            |                | 71       |                     |                         | _           | 1         | 1       |             |                 |            |                                       | 121        |                   |   |           |              |              |          |          |           |   |
|    | ļ                 | 22       | -                |                  | +       | +         | $\square$ |                 | +            | 4                          |                | 72<br>73 | $\dashv$            | $\dashv$                | +           | +         | +       | ╀           | $\vdash$        | 4          | -                                     | 122<br>123 |                   | +                                       | +         | +            | ┞            |          | $\dashv$ | 4         |   |
|    |                   | 24       | ┢                |                  | +       | +         | Н         | $\dashv$        | +            | $\dashv$                   |                | 74       | $\dashv$            | +                       | +           | +         | +       | ╁           | $\vdash$        | $\dashv$   |                                       | 123        |                   | +                                       | +         | +            | $\vdash$     | $\dashv$ | $\dashv$ | -         |   |
|    |                   | 25       |                  |                  |         |           | П         |                 |              |                            |                | 75       |                     | $\exists$               | $\Box$      | 1         |         |             |                 | _          |                                       | 125        | П                 |   |           |              |              |          |          |           |   |
|    |                   | 26       | ļ.,              | $\sqcup$         | $\perp$ | -         | Ш         |                 |              |                            | <u> </u>       | 76       |                     | _                       | _           | _         | $\perp$ |             | $\sqcup$        | 4          |                                       | 126        | $\sqcup$          |   | $\perp$   | _            |              |          |          |           |   |
|    | <u> </u>          | 27<br>28 |                  | $\vdash \vdash$  | +       | +         | $\vdash$  | $\dashv$        | +            |                            | -              | 77<br>78 | $\vdash$            | $\dashv$                | +           | +         | +       | ╁           | ╁               | $\dashv$   | -                                     | 127<br>128 |                   | $\dashv$                                | +         | +            |              | Н        | +        | _         |   |
|    |                   | 29       |                  | $\vdash$         |         | +         | Н         |                 |              | -                          |                | 79       |                     | $\dashv$                | $\dashv$    | $\dagger$ | +       | t           | H               | ┪.         |                                       | 129        | $\dagger \dagger$ | .                                       | 十         | +-           |              |          |          |           |   |
|    |                   | 30       |                  |                  |         |           |           |                 |              |                            |                | 80       | $\Box$              |                         |             | $\bot$    |         |             |                 |            | "                                     | 130        |                   |   | $\perp$   |              |              |          |          |           |   |
|    | <u> </u>          | 31<br>32 | <u> </u>         | $\vdash$         |         | +         | $\vdash$  | $\dashv$        | -+           | $\dashv$                   |                | 81<br>82 | $\dashv$            |                         | -           | +         | +       | ╄           | $\vdash$        |            |                                       | 131<br>132 |                   | -                                       | -         | +-           | ┼            | Н        | $\dashv$ |           | • |
|    | <u> </u>          | 33       | ┢                | -                | +-      | ╁╴        | $\vdash$  | $\dashv$        | +            | $\dashv$                   | -              | 83       | $\dashv$            | $\dashv$                | $\dashv$    | ╅         | +       | ╁           | ╁               | $\dashv$   |                                       | 133        |                   | 十                                       |           | +-           | <del> </del> | Н        | +        |           |   |
|    |                   | 34       |                  |                  |         |           |           |                 | İ            | ] ·                        |                | 84       |                     |                         |             |           |         | 上           |                 |            |                                       | 134        | П                 |   |           |              |              |          |          |           |   |
|    |                   | 35       |                  |                  | _       | 1         | Ш         |                 | _            | _                          |                | 85       |                     | 4                       | _           | $\perp$   |         | 1_          |                 | _          |                                       | 135        |                   | _                                       |           | _            | _            |          | _        |           |   |
|    |                   | 36       | ├                | $\vdash$         | +       |           |           |                 | +            | $\dashv$                   | -              | 86<br>87 | $\vdash$            | $\dashv$                | +           | +         | +-      | +           | Н               | 4          | -                                     | 136<br>137 |                   | -                                       | -         | ╀            | ├            | Н        | $\dashv$ | _         |   |
|    |                   | 38       | ┢                | $\vdash$         | +       | +         | Н         | $\dashv$        | $\dashv$     | $\dashv$                   |                | 88       | H                   | $\dashv$                | +           | +         | +       | $\dagger$   | Ħ               | $\dashv$   | -                                     | 138        |                   | $\dashv$                                | +         | $\dagger$    | t            | Н        | $\dashv$ | $\dashv$  |   |
|    |                   | 39       |                  |                  |         |           |           |                 |              | ╛                          |                | 89       |                     | $\Box$                  |             |           |         |             |                 |            |                                       | 139        |                   |   |           |              |              |          |          |           |   |
|    |                   | 40       | <del>  -</del>   | $\vdash$         | +       | +         | $\vdash$  | dash            | $\dashv$     | -  .                       | . <del> </del> | 90<br>91 | $\vdash \vdash$     | -                       | -           | +         | +       | $\perp$     | $\vdash$        | 4          | -                                     | 140<br>141 |                   | $\dashv$                                | +         | +            | ╀            | Н        | $\dashv$ | $\dashv$  |   |
|    | <del> </del>      | 41       | ╁╴               |                  | +       | +         | +         | $\vdash$        | +            | $\dashv$                   | -              | 91       | $\vdash$            | $\dashv$                | +           | +         | +       | +           | $\forall$       | -          |                                       | 141        |                   | $\dashv$                                |           | +-           | ╁╴           | H        | +        | $\dashv$  |   |
|    |                   | 43       |                  |                  | 士       |           |           | Ħ               | 士            | ゴ                          |                | 93       |                     | ╛                       | 士           | 1         | 土       |             | 口               |            |                                       | 143        |                   | 士                                       | 士         | T            |              |          |          |           |   |
|    |                   | 44       |                  | П                | Ţ       | I         |           | П               | ightharpoons | $\Box$                     |                | 94       | П                   | 1                       | 7           | Ţ         | Ţ       |             | П               | $\Box$     |                                       | 144        | П                 | $\Box$                                  | Ţ         | $oxed{\Box}$ | Г            | П        |          | ]         |   |
|    | <u> </u>          | 45<br>46 | ⊢                | $\vdash \vdash$  | +       |           | -         | ert             | -+           | -                          |                | 95<br>96 | ┝╌┤                 | +                       | +           | +         | +       | +-          | $\vdash \vdash$ | $\dashv$   | -                                     | 145<br>146 |                   | +                                       | +         | +            | -            | Н        | $\dashv$ |           |   |
|    |                   | 47       | $\vdash$         | $\vdash$         | +       | +         | $\vdash$  | $\vdash \vdash$ | +            | $\dashv$                   | -              | 97       | ┝┤                  | $\dashv$                | +           | +         | +       | +           | $\vdash$        | $\dashv$   | -                                     | 147        |                   | +                                       | +         | +            | $\vdash$     | $\vdash$ | $\dashv$ | ┥         |   |
|    |                   | 48       |                  |                  |         | 工         |           |                 | 士            |                            |                | 98       |                     |                         | 士           | $\perp$   |         | 1           |                 |            |                                       | 148        | $\top$            |   |           | L            |              |          |          | ゴ         |   |
|    |                   | 49       | <u> </u>         | $\coprod$        |         | 1         |           | $\sqcup$        | 1            | 4                          |                | 99       | $\vdash \downarrow$ |                         | $\perp$     | 4         |         | 1           |                 | 4          | <u> </u>                              | 149        |                   | $\perp$                                 | 1         | $\perp$      | <u> </u>     | Щ        | $\sqcup$ | _         |   |
|    | L                 | 50       | 1                | LI.              | _ l _   |           | 1_        | ıl              |              | j                          | L              | 100      |                     | 1.                      |             |           | 1       | 1           | 1 1             |            | 1                                     | 150        | 1                 |   | - 1       |              | 1            | i I      | 1 1      | 1         |   |